

What is claimed is:

1. A freezeless wall hydrant, comprising,
a normally horizontal fluid inlet tube having an interior
5 end and an exterior end,
a hollow valve fitting rigidly secured to the interior end
of the inlet tube for connection to a source of
pressurized fluid,
a valve seat on an interior end of the valve fitting,
10 a casting member rigidly secured to the outer end of the
inlet tube and including a drain conduit in
communication with an interior of the inlet tube for
discharging water from the hydrant,
a valve body longitudinally movably mounted in the inlet
15 tube adjacent the valve fitting,
a valve sealing element on the valve body adapted to engage
and disengage the valve seat to prevent or permit,
respectively, a fluid flow through the valve fitting
into the inlet tube,
20 an elongated operating rod having a rearward end secured to
the valve body and an outer end protruding from the
casting member for longitudinally moving the valve body
in the inlet tube,
a bore in the valve body connecting the valve fitting and
25 the inlet tube,
a check valve in the bore of the valve body to normally
prevent fluid flow either into or out of the inlet
tube,
a center bore in the valve body extending between a
30 forwardly located aperture with a center bore and the
valve sealing element located adjacent the rearward end
of the valve body,

a resilient sealing ring adjacent the forwardly located aperture,
a valve element having an end portion adjacent the resilient sealing ring and a stem portion of smaller diameter
5 extending in a rearwardly direction;
a compression spring around the stem portion bearing against a rearward surface of the end portion of the piston element and normally urging the piston element to compress the resilient sealing ring to prevent the flow
10 of fluid rearwardly through the inlet pipe and through the center bore of the valve body,
a fluid conduit in the valve body having a rearward end communicating with the source of pressurized fluid, and a forward end communicating with the portion of the
15 bore of the valve body occupied by the compression spring so that a source of fluid under pressure higher than a source of pressurized fluid adjacent the hollow valve fitting will cause the piston element to compress the compression spring to decompress the resilient
20 sealing ring so that fluid will flow rearwardly through the valve body through the forwardly located aperture therein; thence through the resilient sealing ring, past the end portion of the piston element, past the compression spring, and into the fluid conduit of the
25 valve body to the source of pressurized fluid adjacent the hollow valve fitting.

2. The hydrant of claim 1 wherein the fluid conduit in the valve body is a screw having a center bore, and holding the
30 valve sealing element in place, with the center bore connecting the source of pressurized fluid to the bore in the valve body.

3. The hydrant of claim 2 wherein the screw is threaded into a hollow bushing mounted in the bore of the valve body.

5 4. A freezeless wall hydrant, comprising,
a normally horizontal fluid inlet tube having an interior
end and an exterior end,
a hollow valve fitting rigidly secured to the interior end
of the inlet tube for connection to a source of
10 pressurized fluid,
a valve seat on an interior end of the valve fitting,
a valve body longitudinally movably mounted in the inlet
tube adjacent the valve fitting,
a valve sealing element on the valve body adapted to engage
15 and disengage the valve seat to prevent or permit,
respectively, a fluid flow through the valve fitting
into the inlet tube,
a bore in the valve body connecting the valve fitting and
the inlet tube,
20 a check valve in the bore of the valve body to normally
prevent fluid flow either into or out of the inlet
tube,
a center bore in the valve body extending between a
forwardly located aperture with a center bore and the
25 valve sealing element located adjacent the rearward end
of the valve body,
a resilient sealing ring adjacent the forwardly located
aperture,
a valve element having an end portion adjacent the resilient
30 sealing ring extending in a rearwardly direction,
a compression spring bearing against a rearward surface of
the valve element and normally urging the valve element

to compress the resilient sealing ring to prevent the flow of fluid rearwardly through the inlet pipe and through the center bore of the valve body,
a fluid conduit in the valve body having a rearward end
5 communicating with the source of pressurized fluid, and a forward end communicating with the portion of the bore of the valve body occupied by the compression spring so that a source of fluid under pressure higher than a source of pressurized fluid adjacent the hollow
10 valve fitting will cause the valve element to compress the compression spring to decompress the resilient sealing ring so that fluid will flow rearwardly through the valve body and into the fluid conduit of the valve body to the source of pressurized fluid adjacent the
15 hollow valve fitting.

5. The hydrant of claim 4 wherein the fluid conduit in the valve body is a screw having a center bore, and holding the valve sealing element in place, with the center bore
20 connecting the source of pressurized fluid to the bore in the valve body.

6. The hydrant of claim 5 wherein the screw is threaded
25 into a hollow bushing mounted in the bore of the valve body.